

Recombinant Full Length Human ACADVL Protein, GST-tagged

Cat. No. ACADVL-911HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACADVL full-length ORF (NP_000009.1, 1 a.a. - 655 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	655 amino acids
Description	The protein encoded by this gene is targeted to the inner mitochondrial membrane where it catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. This acyl-Coenzyme A dehydrogenase is specific to long-chain and very-long-chain fatty acids. A deficiency in this gene product reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Molecular Mass	73.07 kDa
AA Sequence	MAARLLRGSL RVLGGHRAPR QLPAARCSHS GGEERLETPS AKKLTDIGIR RIFSPEHDIF RKSVRKFFQE EVIPHHSEWE KAGEVSREVV EKAGKQGLLG VNIAEHLGGI GGDLYSAAIV WEEQAYSNCs GPGFSIHSGI VMSYITNHGS EEQIKHFIPQ MTAGKCIGAI AMTEPGAGSD LQGIKTNACK DGSDWILNGS KVFISNGSLS DVVIVVAVTN HEAPSPAHI SLFLVENGMK GFIKGRKLHK

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MGLKAQDTAE LFFEDIRLPA SALLGEENKG FYYIMKELPQ ERLLIADVAI
 SASEFMFEET RNYVKQRKAF GKTVAHLQTV QHKLAELKTH ICVTRAFVDN
 CLQLHEAKRL DSATACMAKY WASELQNSVA YDCVQLHGGW GYMWEYPIAK
 AYYDARVQPI YGGTNEIMKE LIAREIVFDK

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [ACADVL acyl-CoA dehydrogenase, very long chain \[Homo sapiens \]](#)

Official Symbol [ACADVL](#)

Synonyms ACADVL; acyl-CoA dehydrogenase, very long chain; acyl Coenzyme A dehydrogenase, very long chain; very long-chain specific acyl-CoA dehydrogenase, mitochondrial; ACAD6; LCACD; VLCAD; acyl-Coenzyme A dehydrogenase, very long chain

Gene ID [37](#)

mRNA Refseq [NM_000018](#)

Protein Refseq [NP_000009](#)

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MIM	609575
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UniProt ID	P49748
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